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**JBL Control 28-1**

# JBL Professional Control 28-1 Speaker Instruction Manual

Model: Control 28-1

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## 1. PRODUCT OVERVIEW

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The JBL Professional Control 28-1 is a high-output 8-inch speaker designed for both indoor and outdoor sound reinforcement applications. It features an 8-inch woofer with a woven fiberglass cone and a 1-inch PEI diaphragm tweeter with fluid cooling, providing a broad frequency response from 45 Hz to 20 kHz. The speaker offers a wide 100° x 100° consistent coverage pattern, making it suitable for various environments requiring high-fidelity background or foreground audio.

This speaker is built with weather-resistant components, ensuring durability in diverse settings. It supports 120 Watt power handling (240 Watt program) in a direct 8Ω setting and includes a built-in 60 Watt 70V/100V multi-tap transformer for flexible integration into commercial audio systems.



Figure 1: Front view of the JBL Professional Control 28-1 speaker, showcasing its black grille and robust design.

## 2. SAFETY INFORMATION

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Before installation and operation, please read and understand all safety instructions. Keep this manual for future reference.

- Ensure all electrical connections are made by qualified personnel and comply with local electrical codes.
- Do not expose the speaker to extreme temperatures or direct water spray beyond its weather-resistant rating.
- Use appropriate mounting hardware and techniques to secure the speaker. Improper installation can result in injury or damage.
- Avoid operating the speaker at excessively high volumes for prolonged periods to prevent hearing damage and speaker component wear.

## 3. SETUP AND INSTALLATION

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The Control 28-1 speakers are sold as a pair and are designed for versatile mounting. They include built-in InvisiBall® mounting hardware for discreet and flexible positioning. An optional U-bracket (sold separately) is also available for additional mounting options.

### 3.1 Unpacking

Carefully remove the speakers from their packaging. Verify that all components listed in the "What's in the Box" section are present. Inspect the speakers for any signs of damage during transit. If damage is found, contact your dealer immediately.

**Included Components:** JBL Professional Control 28-1 High Output Indoor/Outdoor Background/Foreground Speaker, Black (Sold as Pair).

### 3.2 Mounting Options

The speaker can be mounted to a wall, ceiling, or post. The built-in InvisiBall mounting system allows for precise aiming and a clean aesthetic. Refer to the detailed InvisiBall mounting instructions provided with the speaker for specific steps.



Figure 2: Rear view of the speaker, highlighting the input terminals and the 70V/100V transformer tap selector.

For U-bracket installation, ensure the bracket is securely fastened to the mounting surface before attaching the speaker. Always use appropriate fasteners for the wall or ceiling material.

### 3.3 Wiring Connections

The Control 28-1 supports both direct 8Ω operation and 70V/100V constant voltage systems via its built-in transformer. Before making connections, ensure your amplifier is turned off.

- **For 8Ω Operation:** Connect your amplifier's output directly to the speaker's input terminals. Ensure the transformer tap selector on the rear of the speaker is set to the 8Ω position.
- **For 70V/100V Systems:** Select the desired wattage tap (e.g., 60W, 30W, 15W, 7.5W for 70V, or 60W, 30W, 15W for 100V) using the rotary switch on the rear of the speaker. Connect the 70V/100V amplifier output to the speaker's input terminals.

Always observe correct polarity (+ to + and - to -) for all connections to ensure proper phase and optimal sound quality.

## 4. OPERATING INSTRUCTIONS

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Once installed and wired, the JBL Control 28-1 speakers are ready for operation. These are passive speakers and require an external amplifier.

- **Power On:** Turn on your amplifier. Start with the amplifier volume at its lowest setting.
- **Volume Adjustment:** Gradually increase the amplifier volume to the desired listening level.
- **Sound Quality:** The speakers are designed to deliver high-fidelity sound with a broad frequency response. If the sound is distorted, reduce the volume or check your amplifier's output.

While the product specifications mention "Control Method: App" and "Wireless Communication Technology: Bluetooth", these features typically refer to control of a connected amplifier or system, not direct Bluetooth audio streaming to the passive Control 28-1 speakers themselves. These speakers are designed for wired audio input.

## 5. MAINTENANCE

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The JBL Control 28-1 speakers are built with durable, weather-resistant materials for long-lasting performance with minimal maintenance.

- **Cleaning:** Use a soft, damp cloth to wipe down the speaker enclosures. Avoid harsh chemicals or abrasive cleaners, which can damage the finish.
- **Grille Care:** The grille can be gently cleaned with a soft brush or vacuum cleaner to remove dust and debris.
- **Inspection:** Periodically check mounting hardware for tightness, especially in outdoor installations, to ensure the speakers remain securely fastened.
- **Environmental Considerations:** While weather-resistant, prolonged exposure to extreme conditions (e.g., direct heavy rain, snow, or intense sunlight) may affect the speaker's lifespan. The product specification "Is Waterproof: FALSE" indicates it is not designed for full submersion or direct high-pressure water exposure.

## 6. TROUBLESHOOTING

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If you encounter issues with your JBL Control 28-1 speakers, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound from speaker	Amplifier off or muted Incorrect wiring Incorrect transformer tap setting Faulty cable	Ensure amplifier is on and volume is up. Check all speaker wire connections for correct polarity and secure contact. Verify the transformer tap matches your amplifier type (8Ω or 70V/100V). Test with a different speaker cable.

Problem	Possible Cause	Solution
Distorted or unclear sound	Amplifier clipping	Reduce amplifier volume.
	Speaker overload	Ensure amplifier power matches speaker's power handling.
	Loose connections	Check all wiring for secure connections.
	Incorrect impedance match	Confirm 8Ω setting for low impedance or correct tap for 70V/100V.
Intermittent sound	Loose wiring Faulty amplifier channel	Re-check all speaker wire connections. Test the speaker with a different amplifier channel or a known working amplifier.

If the problem persists after trying these steps, contact JBL Professional customer support or your authorized dealer.

## 7. SPECIFICATIONS

Detailed technical specifications for the JBL Professional Control 28-1 speaker:

<b>Model Name</b>	CONTROL 28-1
<b>Speaker Type</b>	Satellite, Passive
<b>Woofer Diameter</b>	8 Inches (20.32 cm) with woven fiberglass cone
<b>Tweeter Diameter</b>	1 Inch with PEI diaphragm and fluid cooling
<b>Power Handling (8Ω)</b>	120 Watts (Continuous Program), 240 Watts (Peak)
<b>Transformer Taps (70V)</b>	60W, 30W, 15W, 7.5W
<b>Transformer Taps (100V)</b>	60W, 30W, 15W
<b>Frequency Response</b>	45 Hz – 20 kHz
<b>Coverage Angle</b>	100° x 100°
<b>Input Voltage</b>	100 Volts (for 100V systems)
<b>Material</b>	High Impact Polystyrene (HIPS) with 10% glass fill
<b>Mounting Type</b>	Wall Mount, Ceiling Mount (InvisiBall included, U-bracket optional)
<b>Product Dimensions (H x W x D)</b>	15" x 11.1" x 8.6" (381mm x 282mm x 219mm)
<b>Item Weight</b>	16.6 Pounds (7.53 kg)
<b>Color</b>	Black
<b>Is Waterproof</b>	FALSE (Weather-resistant, not fully waterproof)
<b>Connectivity Technology</b>	Wired
<b>Number of Items</b>	2 (Sold as a pair)



Figure 3: Dimensional drawing of the JBL Control 28-1 speaker, showing height, width, and depth measurements.

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

The JBL Professional Control 28-1 speakers come with a Limited Manufacturer's Warranty. Please refer to the warranty card included with your product or visit the official JBL Professional website for detailed terms and conditions, including coverage period and limitations.

### 8.2 Customer Support

For technical assistance, service, or warranty claims, please contact JBL Professional customer support. You can find contact information on the official JBL Professional website or through your authorized dealer.

When contacting support, please have your product model number (Control 28-1) and purchase date available.

## 9. ADDITIONAL RESOURCES

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For further information, including detailed installation guides, product datasheets, and accessories, please visit the official JBL Professional website:

[JBL Professional Official Website](#)

## 10. PRODUCT VIDEOS

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Watch these official videos for more insights into JBL Professional products and their applications.

### JBL Professional Product Overview

Your browser does not support the video tag.

This video provides a general overview of JBL Professional's product range and philosophy. (Duration: 1:09)

### JBL Professional Audio Solutions

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Explore various audio solutions offered by JBL Professional for different applications. (Duration: 0:53)

### JBL Professional Sound System Integration

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A video demonstrating the integration of JBL Professional sound systems. (Duration: 1:01)